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Title: The evolution of parasitic and mutualistic plant-virus symbioses through transmission-virulence trade-offs

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Highlights

- * We use adaptive dynamics theory to study the evolution of plant-virus symbioses
- * Ecological bistability in a discrete-time model with frequency-dependent transmission
- * Darwinian extinction can occur under optimizing selection
- * Evolutionary branching of parasitic and mutualistic viral symbioses
- * Mutualism can outcompete parasitism in the long-run

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